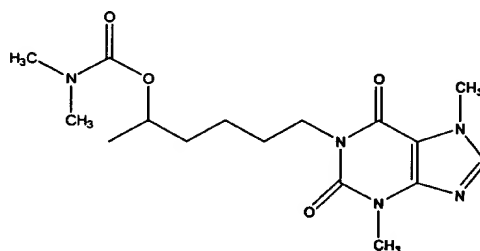


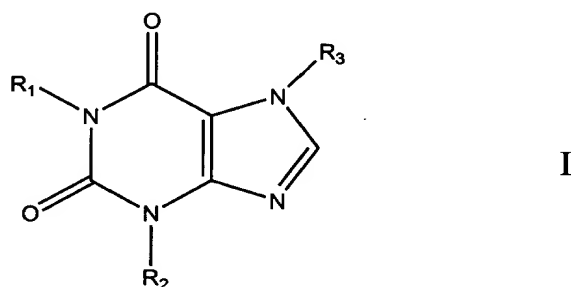
## IN THE CLAIMS

In claim 6, fourth line, please delete "carboxylic acid moiety".

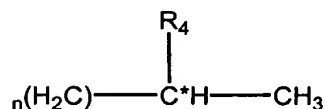
1. (Six Times Amended) A compound having the following structure:



or a structure according to formula I:



wherein R<sub>1</sub> has the formula II:



R<sub>2</sub> and R<sub>3</sub> are independently C<sub>(1-12)</sub> alkyl, optionally, R<sub>2</sub> having one or two nonadjacent carbon atoms of the C<sub>(1-12)</sub> alkyl being replaced by an oxygen atom; and wherein:

C\* is a chiral carbon atom;

n is four;

R<sub>4</sub> is a naturally occurring amino acid or a carbohydrate-moiety attached by an oxygen atom to the chiral carbon atom C\* by an ester linkage, or -O-X-(R<sub>5</sub>)<sub>m</sub>; m being two or three,

depending on valence, and X being selected from the group consisting of C, P or S; wherein one  $R_5$  is =O and any other  $R_5$  is a member independently selected from Group Q,

said carbohydrate moiety is selected from the group consisting of glucosyl, glucosidyl, maltosyl, glucopyranosidyl, glyceraldehydyl, erythrosyl, arabinosyl, ribolucosyl, fructosyl, erythritolyl, xylosyl, lyxosyl, allosyl, altrosyl, mannosyl, mannosidyl, gulosyl, idosyl, galactosyl and talosyl, and

Group Q consists of:

hydroxyl group;

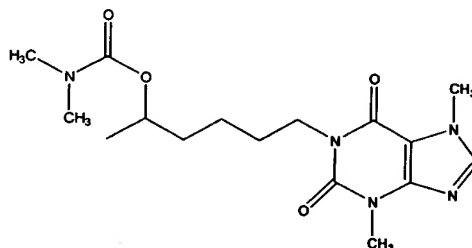
substituted or unsubstituted  $C_{(3-10)}$  alkyl,  $C_{(2-10)}$  alkenyl,  $C_{(2-10)}$  alkynyl,  $C_{(1-10)}$  alkoxy,  $C_{(1-10)}$  oxoalkyl,  $C_{(1-10)}$  carboxyalkyl,  $C_{(1-10)}$  hydroxyalkyl, or substituted  $C_{(1-2)}$  alkyl group;

-OR<sub>6</sub>, R<sub>6</sub> being a substituted or unsubstituted  $C_{(1-10)}$  alkyl,  $C_{(2-10)}$  alkenyl,  $C_{(2-10)}$  alkynyl, or  $C_{(1-10)}$  oxoalkyl;

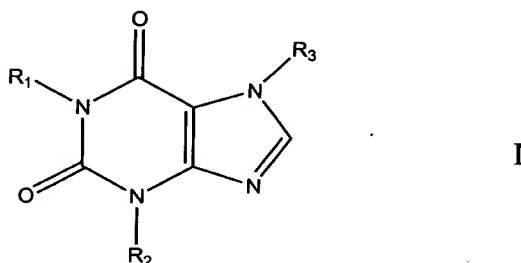
substituted or unsubstituted heterocyclic group, attached to X through an atom within the ring, having one or two rings, each ring containing from four to seven atoms, wherein the heteroatom(s) of said heterocyclic group is 1 or 2 nitrogens; and

substituted or unsubstituted carbocyclic group that is attached to X through a carbon atom within a ring, having one or two rings, each ring containing four to seven atoms, wherein the substituents of said substituted carbocyclic group are selected from the group consisting of amino,  $C_{(2-6)}$  alkenyl,  $C_{(1-6)}$  alkyl,  $C_{(1-6)}$  alkoxy,  $C_{(1-6)}$  hydroxyalkyl, hydroxyl,  $C_{(1-6)}$  oxoalkyl, azido, [carboxy,] cyano,  $C_{(2-6)}$  mono- or di-haloalkyl, isocyano, isothiocyano, imino, a chlorine atom, a bromine atom, a fluorine atom and an oxygen atom.

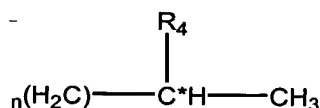
20. (Four Times Amended) A compound having the following structure:



or a structure according to formula I:



wherein R<sub>1</sub> or R<sub>2</sub> has the formula II:



R<sub>1</sub> or R<sub>2</sub>, which is other than formula II, and R<sub>3</sub> are independently C<sub>(1-12)</sub> alkyl, optionally, R<sub>2</sub> having one or two nonadjacent carbon atoms of the C<sub>(1-12)</sub> alkyl being replaced by an oxygen atom; and wherein:

C\* is a chiral carbon atom;

n is four;

R<sub>4</sub> is a naturally occurring amino acid or a carbohydrate-moiety attached by an oxygen atom to the chiral carbon atom C\* by an ester linkage, [-O-X-(R<sub>5</sub>)H or] -O-X-(R<sub>5</sub>)<sub>m</sub>; m being two or three, **depending on valence**, and X being selected from the group consisting of C, P or S; wherein **one R<sub>5</sub> is =O and any other R<sub>5</sub> is a member independently selected from Group Q, said carbohydrate moiety is selected from the group consisting of glucosyl, glucosidyl, maltosyl, glucopyranosidyl, glyceraldehydyl, erythrosyl, arabinosyl,**

ribolucosyl, fructosyl, erythritolyl, xylosyl, lyxosyl, allosyl, altrosyl, mannosyl, mannosidyl, gulosyl, idosyl, galactosyl and talosyl, and

Group Q consists of:

hydroxyl group;

[=O;]

substituted or unsubstituted  $C_{(3-10)}$  alkyl,  $C_{(2-10)}$  alkenyl,  $C_{(2-10)}$  alkynyl,  $C_{(1-10)}$  alkoxy,  $C_{(1-10)}$  oxoalkyl,  $C_{(1-10)}$  carboxyalkyl,  $C_{(1-10)}$  hydroxyalkyl, or substituted  $C_{(1-2)}$  alkyl group;

-OR<sub>6</sub>, R<sub>6</sub> being a substituted or unsubstituted  $C_{(1-10)}$  alkyl,  $C_{(2-10)}$  alkenyl,  $C_{(2-10)}$  alkynyl, or  $C_{(1-10)}$  oxoalkyl;

substituted or unsubstituted heterocyclic group, attached to X through an atom within the ring, having one or two rings, each ring containing from four to seven atoms, wherein the heteroatom(s) of said heterocyclic group is 1 or 2 nitrogens; and

substituted or unsubstituted carbocyclic group that is attached to X through a carbon atom within a ring, having one or two rings, each ring containing four to seven atoms, wherein the substituents of said substituted carbocyclic group are selected from the group consisting of amino,  $C_{(2-6)}$  alkenyl,  $C_{(1-6)}$  alkyl,  $C_{(1-6)}$  alkoxy,  $C_{(1-6)}$  hydroxyalkyl, hydroxyl,  $C_{(1-6)}$  oxoalkyl, azido, [carboxy,] cyano,  $C_{(2-6)}$  mono- or di-haloalkyl, isocyano, isothiocyano, imino, a chlorine atom, a bromine atom, a fluorine atom and an oxygen atom.

21. (Twice Amended) A compound according to claim 1, wherein R<sub>2</sub> and R<sub>3</sub> are methyl, and wherein R<sub>6</sub> is a

substituted or unsubstituted  $C_{(1-10)}$  alkyl,  $C_{(2-10)}$  alkenyl,  $C_{(2-10)}$  alkynyl, or  $C_{(1-10)}$  oxoalkyl;

substituted or unsubstituted heterocyclic group, attached to X through an atom within the ring, having one or two rings, each ring containing from four to seven atoms, and a single nitrogen as the heteroatom; or

substituted or unsubstituted carbocyclic group that is attached to X through a carbon atom within a ring, having one ring containing four to seven atoms, wherein the substituents of said substituted carbocyclic group are selected from the group consisting of amino,  $C_{(2-6)}$  alkenyl,  $C_{(1-6)}$  alkyl,  $C_{(1-6)}$  alkoxy,  $C_{(1-6)}$  hydroxyalkyl, hydroxyl,  $C_{(1-6)}$  oxoalkyl, azido, [carboxy,] cyano,  $C_{(2-6)}$  mono- or di-haloalkyl, isocyano, isothiocyano, imino, a chlorine atom, a bromine atom, a fluorine atom and an oxygen atom.

23. (Amended) A compound according to claim 1, wherein  $R_3$  is methyl [and  $R_4$  is -O-X-( $R_5$ )<sub>m</sub>].

25. (Amended) A compound according to claim 24, wherein X is S [and m is 2].

26. (Three Times Amended) A compound according to claim 25, wherein members of Group Q are independently selected from the group consisting of an hydroxyl group; [=O; ] substituted or unsubstituted  $C_{(3-10)}$  alkyl,  $C_{(2-10)}$  alkenyl,  $C_{(2-10)}$  alkynyl,  $C_{(1-10)}$  alkoxy,  $C_{(1-10)}$  oxoalkyl,  $C_{(1-10)}$  carboxyalkyl,  $C_{(1-10)}$  hydroxyalkyl; and a substituted  $C_{(1-2)}$  alkyl group.

27. (Twice Amended) A compound according to claim 26, wherein the other  $R_5$  is OH [or =O].

### REMARKS

Applicants hereby request reconsideration of the present application in view of the foregoing amendments and the following remarks. Examiner Berch Acknowledged that, except as noted below, all outstanding issues are resolved by Applicants' response filed July 27, 1999 and the amendments contained in that response will be entered upon filing an Appeal Brief. Applicants' Brief is submitted concurrently with the instant Reply and Applicants, accordingly, request entry of their July 27<sup>th</sup> proposed amendments, as well as those set out above. The amendments now proposed address points 2 and 3 in the outstanding Advisory Action. No new matter is introduced thereby.

The outstanding issues in this case are three points, set out on page 2 of the Advisory Action mailed July 29<sup>th</sup> and a rejection based on the how-to-use aspect of the enablement requirement set out in section 112, first paragraph, of the patent statute. The rejection under section 112 is the subject of the concurrently filed brief. The other issues are obviated by the above amendments and the following remarks.

First, the Examiner suggests reinstating "or" at page 2 and deletion of "oxo" from claim 26 of Applicants last response. This has been done.